

FIG. 1

INVENTOR'S NAME: TOMASZ KACZYNSKI

SERIAL NO.: 10/785,575 DOCKET NO.: 499.754US1

REPLACEMENT SHEET

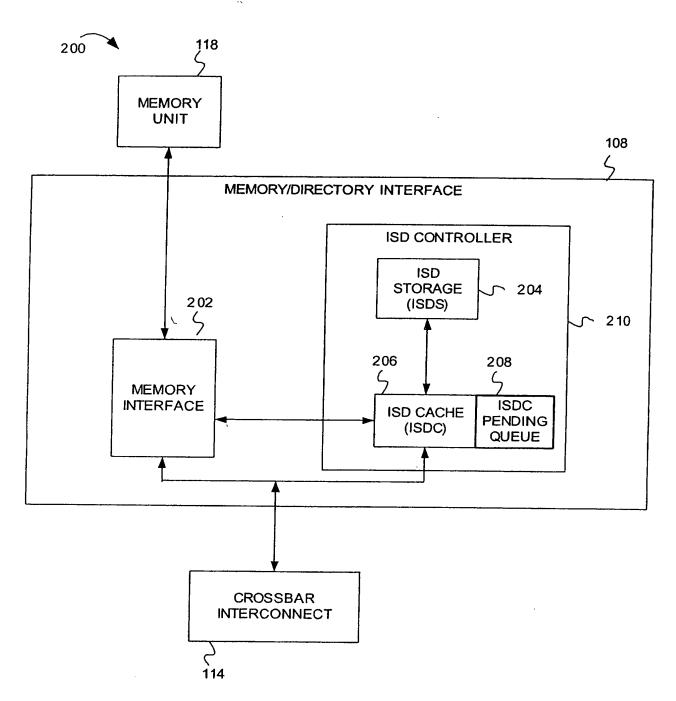


FIG. 2

. TITLE: A METHOD AND APPARATUS FOR MAINTAINING COHERENCE INFORMATION IN MULTI-CACHE SYSTEMS

INVENTOR'S NAME: TOMASZ KACZYNSKI SERIAL NO.: 10/785,575 DOCKET NO.: 499.754US1

REPLACEMENT SHEET

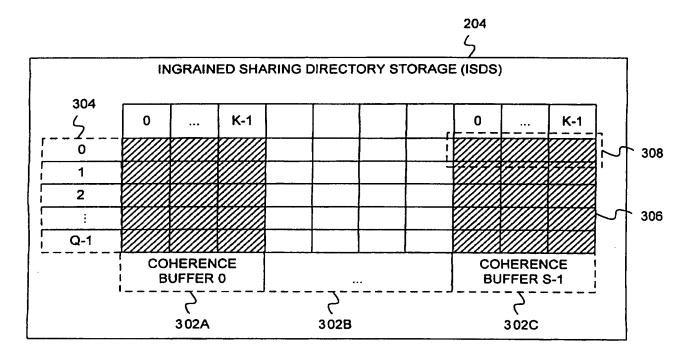


FIG. 3

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REPLACEMENT SHEET

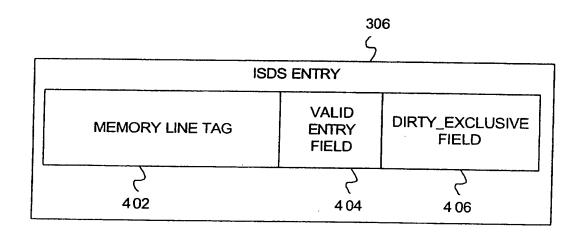


FIG. 4

. TITLE: A METHOD AND APPARATUS FOR MAINTAINING COHERENCE INFORMATION IN MULTI-CACHE SYSTEMS

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REPLACEMENT SHEET

500

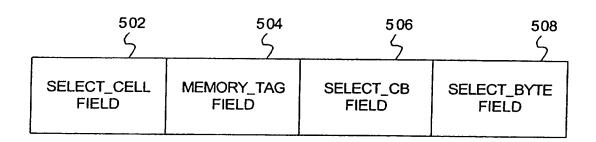


FIG. 5

. TITLE: A METHOD AND APPARATUS FOR MAINTAINING COHERENCE INFORMATION IN MULTI-CACHE SYSTEMS

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600									
		LINE 0			LINE 1				
ISDC_TAG FIELD	BIT_VECTOR FIELD	VALID FIELD	DIRTY EXCLUSIVE FIELD	BIT_VECTOR FIELD	VALID FIELD	DIRTY EXCLUSIVE FIELD			
ک 6 02	604	6 06	608			1			

FIG. 6

TITLE: A METHOD AND APPARATUS FOR MAINTAINING COHERENCE INFORMATION IN MULTI-CACHE SYSTEMS

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700

702	704	706	708	710
5	5	5		S
SELECT_CELL FIELD	ISDC TAG	SELECT_ISDC_SET FIELD	LN FIELD	BYTE OFFSET FIELD

FIG. 7

INVENTOR'S NAME:

TOMASZ KACZYNSKI SERIAL NO.: 10/785,575 DOCKET NO.: 499.754US1

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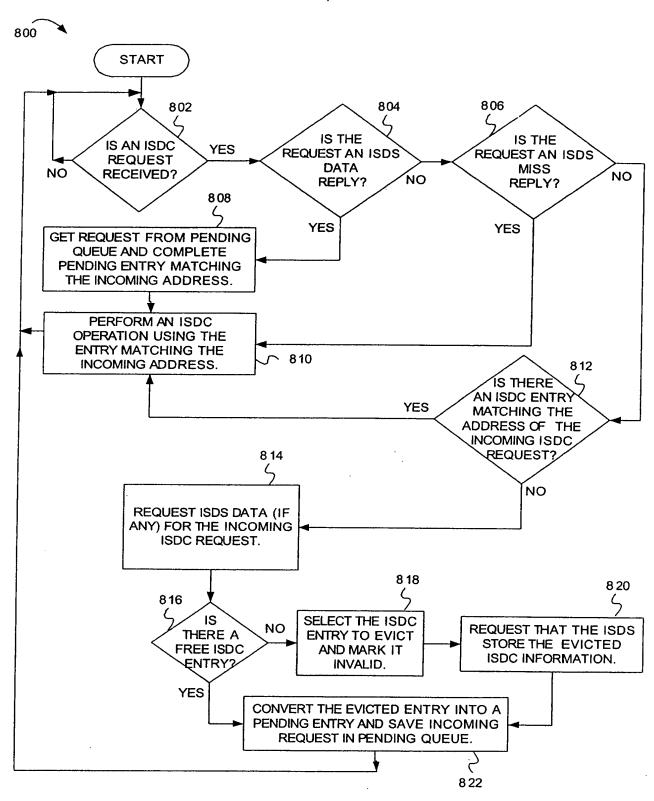


FIG. 8

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 REPLACEMENT SHEET 9/9 900 904 902 NO. IS AN START ISDS REQUEST SELECT THE COHERENCE BUFFER . RECEIVED? YES 908 906 SELECT THE FIRST BIT IN THE BIT DEASSERT A DATA FLAG VECTOR AND THE FIRST CELL IN THE AND ASSERT A MISS FLAG. COHERENCE BUFFER. 912 910 IS THE IS THE SELECTED BIT IN YES REQUEST TO RETRIEVE THE BIT-VECTOR YES ISDS DATA? NO. ASSERTED2 918 STORE NO 916 SEND A REPLY 9 14 TO THE ISDC. SELECT THE NEXT **ARE CELL IN THE** YES THERE ANY NO. COHERENCE BUFFER MORE AND THE NEXT BIT IN CELLS? THE BIT-VECTOR. YES COMPARE THE INCOMING **920** MEMORY TAG TO THE ISDS IS THE TAGS IN THE SELECTED CELL. NO REQUEST TO RETREIVE ISDS DATA? 922 NO IS 930 928 THERE A TAG MATCH? NO IS 924 THE ENTRY IN YES THE DIRTY ASSERT THE SELECTED BIT IN **EXCLUSIVE** YES THE BIT-VECTOR AND INVALIDATE STATE? 932 THE MATCHING ISDS ENTRY. **CREATE AN ISDS** ASSERT THE DATA FLAG AND ENTRY IN THE 9261 DEASSERT THE MISS FLAG. SELECTED CELL AND

FIG. 9

MARK IT VALID.